

AZ-500: Secure Cloud Resources (Azure) with Microsoft Security Technologies

Price: 2795

Duration: 4 days

Delivery Methods: Virtual

Overview

About this Course

In this course students will gain the knowledge and skills needed to implement security controls, maintain the security posture, and identify and remediate vulnerabilities by using a variety of security tools. The course covers scripting and automation, virtualization, and cloud N-tier architecture.

Audience Profile

Students should have at least one year of hands-on experience securing Azure workloads and experience with security controls for workloads on Azure.

At Course Completion

After completing this course, students will be able to:

- Describe specialized data classifications on Azure
- Identify Azure data protection mechanisms
- Implement Azure data encryption methods
- Secure Internet protocols and how to implement them on Azure
- Describe Azure security services and features

Outline

Learning Path 1: Identity and Access Identity and Access

Master identity and access management in Microsoft Entra ID, securing users, groups, and external identities, implementing authentication and authorization controls, and managing application access and security.

Modules

- Manage identities in Microsoft Entra ID
- Manage authentication by using Microsoft Entra ID
- Manage authorization by using Microsoft Entra ID
- Manage application access in Microsoft Entra ID

Labs:

- Role-Based Access Control

Learning Path 2: Secure Networking

Master the intricacies of securing Azure networks, encompassing virtual networks, encryption, firewall setup, private access, and DDoS protection, with this comprehensive training.

Modules

- Plan and implement security for virtual networks
- Plan and implement security for private access to Azure resources
- Plan and implement security for public access to Azure resources

Labs:

- Network Security Groups and Application Security Groups
- Azure Firewall

Learning Path 3: Secure Compute, Storage, and Databases

Master the art of managing security operations in Azure, from governance and policy creation to infrastructure security, key management, security posture, threat protection, and advanced security monitoring and automation.

Modules

- Plan and implement advanced security for compute

- Plan and implement security for storage
- Plan and implement security for Azure SQL Database and Azure SQL Managed Instance

Labs:

- Configuring and securing ACR and AKS
- Securing Azure SQL Database
- Service Endpoints and Securing Storage

Learning Path 4: Security Operations

Master the art of managing security operations in Azure, from governance and policy creation to infrastructure security, key management, security posture, threat protection, and advanced security monitoring and automation.

Modules

- Plan, implement, and manage governance for security
- Manage security posture by using Microsoft Defender for Cloud
- Configure and manage threat protection by using Microsoft Defender for Cloud
- Cloud Configure and manage security monitoring and automation solutions

Labs:

- Key Vault
- Azure Monitor
- Azure Security Center
- Azure Sentinel

Prerequisites

Before attending this course, students must have knowledge of:

- Microsoft Azure Administrator Associate

Course Schedule

Date	Time	Price	Options
07/07/2026	09:00 AM - 05:00 PM CT	2,795.00	Buy Now Enroll

Date	Time	Price	Options
05/26/2026	08:00 AM - 04:00 PM CT	2,795.00	Buy Now Enroll
07/20/2026	08:00 AM - 04:00 PM CT	2,795.00	Buy Now Enroll
06/09/2026	09:00 AM - 05:00 PM CT	2,795.00	Buy Now Enroll

Why Professionals Choose TOPTALENT?

Dedicated Texas-Based Support

Get assistance every step of the way from our **Texas-based team**, ensuring your training experience is hassle-free and aligned with your goals.

3000+ Curated Professional Courses

Access an extensive portfolio of over 3000 courses across IT, Business Application and Leadership – Designed to meet evolving Industry demands

95% Client Approval Rating

Trusted by professionals nationwide our 95% approval rating reflects consistent quality, measurable impact and exceptional service.

Certified Industry Instructor

Learn from professionally certified experts with real world experience and a proven commitment to learner success.

For questions

call:

[\(469\) 721-6100](tel:(469)721-6100)

Email:

info@toptalentlearning.com

[Find More Training](#)

FAQ

What if I have to reschedule my class due to conflict?

Ten (10) business days' notice is required to reschedule a class with no additional fees. Notify TOPTALENT LEARNING as soon as possible at 469-721-6100 or by written notification to info@toptalentlearning.com to avoid rescheduling penalties.

How do I enroll for this class?

Please contact our team at 469-721-6100; we will gladly guide you through the online purchasing process.

What happens once I purchase a class?

You will receive a receipt and an enrollment confirmation sent to the email you submitted at purchase. Your enrollment email will have instructions on how to access the class. Any additional questions our team is here to support you. Please call us at 469-721-6100.

What is your late policy?

If a student is 15 minutes late, they risk losing their seat to a standby student. If a student is 30 minutes late or more, they will need to reschedule. A no-show fee will apply. Retakes are enrolled on a stand-by basis. The student must supply previously issued courseware. Additional fees may apply.

What happens when I finish my class?

You will receive a 'Certificate of Completion' once you complete the class. If you purchased an exam voucher for the class, a team member from TOPTALENT LEARNING will reach out to discuss your readiness for the voucher and make arrangements to send it.